THE SEVEN AFRICAN FAMILIES OF THE PERIODIC TABLE

~Orisha Homeschool Edition~



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Mnemonic Poetry: Memorize the First 56 Elements in Sequence

~A mnemonic is a memory aid used to improve long term memory and make the process of consolidation easier~

He Li Be B C N O F Ne Na Mg Al Si P S Cl Ar K Ca Sc Ti V Cr Mn Fe Co Ni Cu Zn Ga Ge As Se Br Kr Rb Sr Y Zr Nb Mo Tc Ru Rh Pd Ag Cd In Sn Sb Te I Xe Cs Ba

> Here Lies Benjamin Bannecker. Cry Not Oh Friend Needlessly. Nature Magnifies All Simple People

Sometimes Clowns And Kings
Can Scream Till Vast Crowds Moan.
Fear Conquers Neither ©

Courageous Zealous
Gallant Gents!

As Seven Brave Karate Robbers Strike Yelling.
Zarabanda's Noble Moors Travel, Running Rhodiums.

Powered Silver Candles
Indian Sons Sobbing Tears In Xcess, Cease Bawling

Hafez Talib Wali Rest Ostriches Irie Ptah

Au Hug Thalium

THE GATE KEEPER: Blackpeople and other worlds **②**



All black people that are incarnated here on earth, meaning you and me, we are also incarnated on trillions upon trillions of other earths in the universe. There are two ways to visit other star systems in the universe. One is to go there physically, and the other is to go mentally. It's much easier - or at least it was in ancient days - to travel mentally.

Traveling across space physically can be done in one of two ways, either by use of an interstellar spacecraft, or by dematerializing the body and re-materializing it at the chosen destination. Both methods are used by Yahweh and the Elohim, and were also used in ancient times. But by far the most common way to travel was by mental 'transportation'.

All the personalities of each God that are incarnated in various star systems act as hosts to those traveling mentally. They make their bodies available to such visitors. In other words, when a person travels mentally to another planet, he/she finds his/her twin personality on that earth who then acts as a host, and uses his mind and body. In modern rituals such travel still goes on to a limited extent.

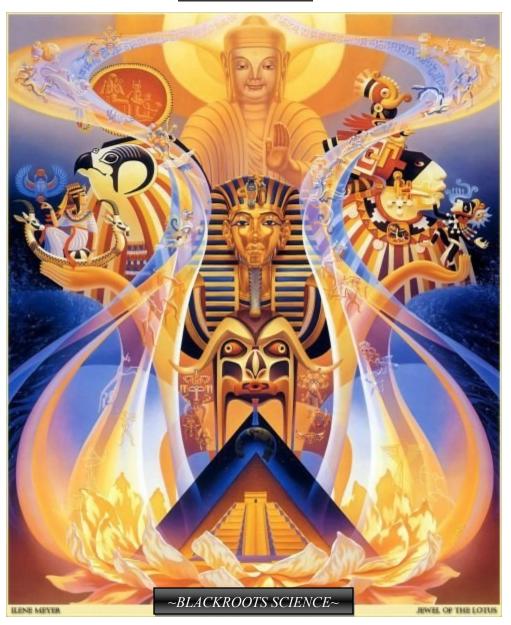
<u>The Host in such a ritual is called a Gatekeeper</u>. The same principle applies when an initiate travels to the past. He/she finds a Gatekeeper, a past incarnation of his/her first Self who was a twin personality at that time.

During the visit, the host or twin soul takes on the personality of the visitor, and becomes him/her in the fullest sense of the word. In modern times, if such a visitation were to occur outside the safe space of a ritual, such a phenomenon would be called a 'possession'. The host behaves and thinks exactly as the visitor would. He literally becomes him. Since every God has innumerable simultaneous incarnations, every black person is potentially a 'multiple personality' of the highest order. *This attribute was as normal to the ancients as changing clothes is to us*. The perversion of this attribute in modern bodies and minds is the cause of today's psychosis called multiple personality syndrome.

When an inhabitant of another planet hosts a visitor in this way, he/she does not lose or forget her own identity. He remains perfectly conscious, but stays in the background of his own mind as an observer. In other cases he may also depart his own body and go on a visit to another part of the universe, in which case the first Self is left in charge of his body, hosting the visitor.

When the visitation is over, the visitor has had the benefit of a body by which he could investigate another world, but he also contributes his own experiences to the host, such that the visitation is mutually beneficial to both twin souls. That's how the ancients traveled to other stars and back in time. After we lost most of our DNA, we lost the ability for such travel, except in the ritual setting of initiation

i



"On the question of what is my religion?

Belief is a synonym for ignorance and religion is the dedicated practice of belief. As one who is uninitiated, I must admit that I participate in multiple levels of ignorance. I am Muslim, Christian, Israelite, Buddhist, IFA and much more! *Very Ignorant!*

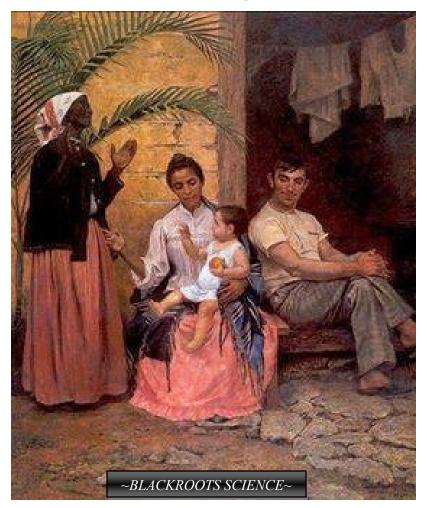
If asked to limit myself to one singular practice of ignorance...my answer when it comes to religion is "I don't have one". I don't worship anyone, because I know there is no one to worship. I revere the Elders and ancestors of the Black Nation, who hold in their custody the state of mind called heaven, to which I will ascend when the time comes.

All the religions on earth came about because people could no longer directly experience the higher realities by means of rituals of initiation. There was a time when all Black people openly took part in ritual initiations, prior to 6000 years ago. Since the appearance of the non-Blacks, the initiations were hidden to await the end of the rule of these people. When their end comes then the ancient system of knowledge will come back into open use. In the meantime, for the past 6000 years, *the light-skinned races have invented a spirit God and heaven* to replace the direct knowledge hidden from them.

But <u>all their Gods and spirits</u>, <u>angels and heavens exist only in the imagination</u>, and can be seen quite clearly under the right ritual conditions. Therefore they need religion to fill their lack, whereas Black people really do not, in our natural circumstances. We know who God really is." ~BlackRoots

Race Mixing





There is punishment for people who try to "lighten" the Black Nation. Nature has been reducing the sperm count of white men now for the last 100 years. The rate of reduction has increased over the past few years, and will continue to increase until they can no longer procreate. That's why those who know are studying cloning. On the female side the fertility of white women is decreasing at a rapid rate.

They have to use more and more drugs to conceive. This is true also for light-skinned Black men and women. <u>The world is Black by nature, and will remain so forever</u>. Any Black person who, after being exposed to the facts, continues to try and "lighten" our people is sinning against God, or the Black Nation.

<u>Nature has zero tolerance for stupidity</u>. The Consequence of such foolishness is extinction, or as said long ago, the wages of sin is death.

On our part, we could do these brothers and sisters a big favor by exposing the truth as much as we can. Most of them are ignorant and only need to have their sense of pride built back up; pride in themselves and ancestors.

If they consciously reject the truth, then they'll end up alongside the white race in the bottomless pit of hell called extinction, where there is no coming back. *Their biological lineage will simply die out*.

~BlackLove, BlackRoots & BlckFamily Build one, i dare ya

The Question of Soulmates





~The Science of Soul Mates~

Every Black person has a complement. A complement is a person who completes you. You may think as a man or a woman you are a complete person. But we are taught otherwise. We are taught the true meaning of the childish story about Eve coming from the rib of Adam. Although Adam and Eve refer to the light races, the part about the rib points to the way in which people are born on earth. Every two people of opposite gender are united as one in mind before birth. When they are born, they separate, one being born as a baby boy and the other somewhere else as a baby girl. To the immature mind of whitepeople, who are but yesterday's children compared to the eternalness of Black people, the story of the separation of one mind into two was explained to them in a sort of picture-book manner appropriate to the level of their mentality.

They were taught that Eve came from the rib of Adam (or Adam from the rib of Eve, because the separation can be looked at either way). Every man is incomplete without a woman, and every woman is incomplete without a man. Each one becomes complete when he or she unites with his or her complement. This is Divine Love, as opposed to fleshly or material love. Now I'm not passing judgment on love. I'm not qualified to do that, nor is anyone else. I'm simply stating facts as they are known to me, so please bear with me. This question of complements is important for the understanding of why the ancient society was organized the way it was.

I am aware of the void that exists within us, when we are not paired with our soulmates. A common mistake people make is in trying to fill it. Trying to fill that which cannot be filled, in today's time; leading to a sad life of great and unnecessary disappointments. Disappointments arise from false or unreasonable expectations \odot Instead of trying to fill that void, we should learn to accept it and come to terms with it. This is essential so we may better function and that we may better benefit other blackpeople. The spot that aches in our soul can only be filled by one person and not twenty or a hundred, but finding that one person is not likely. So, for expediency, intelligence and kindness to others, we make due with the best we have \odot ; treating each loved person in our lives as we would treat our soulmate, blessing them with our kindness and mercies of companionship.

Yes, Blackpeople go to Hell for 3 Days



The punishment of eternal damnation applies only to the light races. The reason is because with them, wicked behavior is not an imitation but is rather inborn or natural, so it's near impossible for them to give it up once they get started in it. With black people, it is always imitative behavior, and is easily shed once they enter their natural condition in the mental worlds. So the eternal damnation or 2nd death is really a self-destruction brought on by the fact that they willfully refuse to give up such behavior. *All black people (except children) do go to the hells for three days after they ascend*. Every person has sinned to some extent or another. It's not possible to remove the stains of these sins immediately, hence we are pulled to that place by the desires that led us to commit those sins

So we, blackpeople, all go there for 3 days and experience the spiritual fire whose purpose is to cleanse us. This doesn't necessarily mean we will suffer during that time. If a person does not identify himself with his sins, then he will undergo that ritual with quite a detached state of mind, and will see that it's simply a cleansing experience from beginning to end. But if he identifies with it, and believes he is a sinner and not a God, then the experience will cause some suffering. But every single black person always becomes enlightened after 3 days and the experience ends.

Time in the mental realms is completely subjective. There are no orbiting planets so there is no way to measure time like that. The 3 days is from our vantage point on earth. If you could see a beloved of yours who has passed on, you would see them enter the hellish realms and then exit them after 3 days. But to them it could be 3 minutes or 3 years, depending on how they interpret the experience. If it causes them suffering, then it will seem like 3 years because as you know from your own experience, time passes very slowly when one is suffering, <u>but zooms by extremely fast when one is in a state of joy</u>.

BLACKLOVE, BLACKROOTS & BLACKFAMILY BUILD ONE, I DARE YOU

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THE SEVEN AFRICAN FAMILIES OF THE PERIODIC TABLE

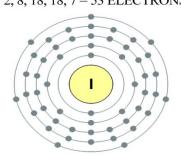


* THE SEVEN FAMILIES *

- 1. OGUN THE MIGHTY IRON WORKER: (1 & 2)
- 2. OCHOSI THE MIGHTY HUNTER: (BORON BORIC ACID & POISON)
- 3. ELEGBA THE PERFECT BLACK: (CARBON)
- 4. SHANGO OUR FIRE LORD: (NITROGEN EXPLOSIVES)
- 5. YEMAYA THE MOTHER OF LIFE: (OXYGEN IS MOST COMMON ELEMENT ON EARTH)
- 6. OBATALA LORD OF THE WHITE CLOTH: (HALOGENS BLEACHES)
- 7. OSHUN FLOATS LIKE A BUTTERFLY & STINGS LIKE A BEE: (HELIUM FLOATS)

IODINE

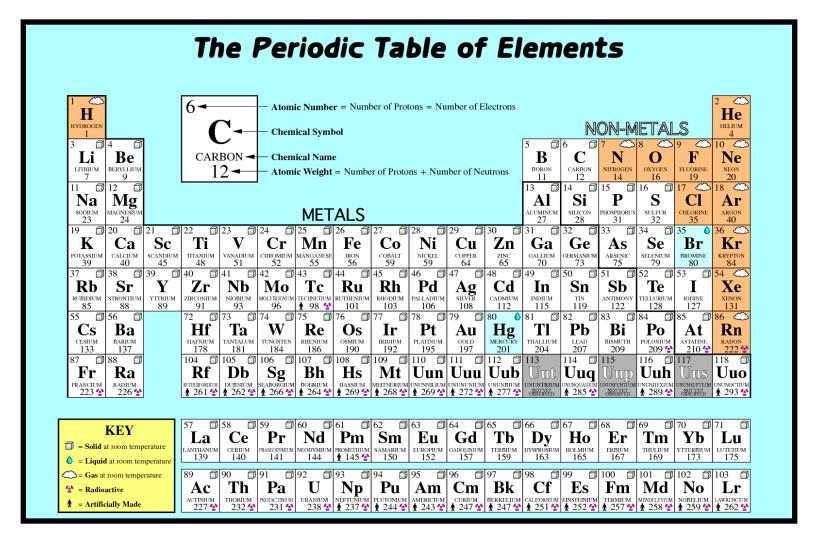
2, 8, 18, 18, 7 = 53 ELECTRONS



*THE ROW NUMBER TELLS YOU HOW MANY CIRCLES EACH ELEMENT HAS AROUND THE NUCLEUS

*THE COLUMN NUMBER TELLS YOU HOW MANY ELECTRONS ARE IN THE LAST CIRCLE

*A CIRCLE IS CALLED A SHELL



The Structure & Order of the Periodic Table:

- When you look at the periodic table, it is clear that the elements have been organized into an order, in rows and columns.
- The first and most important division within the table is the individual columns, known as Orisha Families.
- Just as most families tend have some specific characteristics or traits in common (like being tall, heavenly dark skinned or having brown eyes), the elements have certain properties that are defined by the *FAMILY* to which they belong.

The Orisha Families are numbered according to several different conventions, but the most commonly accepted method is the IUPAC (International Union of Pure and Applied Chemistry) system, which labels the groups from left to right with numbers 1 through 18.

We will be using this system here.

~The Mighty Ogun~

Ogun has character, personality and status. He is not afraid to be himself. Like iron, he is rigid, self assured, and unyielding. Because he is untiring, deliberate and focused, he accomplishes all that he sets out to do. He is strength, but used creatively.

Ogun is very creative. Children of Ogun, when trying to figure out how to accomplish something will always think of the physical first. They like to use their hands and their strength. Others marvel at the untiring energy of his children.

Ogun sees and makes his own way. He is economy in action; no wasted motion, catch only what you are going to eat. Ogun is the champion of laborers everywhere, the first union boss. <u>As the</u> "owner of all iron," Ogun provides the tools which are essential to <u>creating civilization</u>. Ogun is evolutionary energy.

He is technology. Like all the Orisa, Ogun has two opposing attributes which seem in conflict, but are actually two sides of the same coin (create and destroy). The story is told of Ogun killing an entire village, and his subsequent move to the bush.

This story speaks to his capacity for destruction and unrestrained bloodlust. There is another itan that tells of how at the beginning of creation the Orisa came upon impenetrable brush. Ogun cut a path through the bush. This story speaks to Ogun as the mover of things, evolution, progress. We pray to Ogun to remove obstacles

from our paths, both spiritual and material. It also speaks to his life as an outcast.



~Ogun is Born in a Volcano~

Time had passed and Arganyu had taken his seat and shining brightly in the kingdom of Olodumare, Oddua and Yembo decided to have a second child, Oggun. -This child would forever give them the worst trouble this world has ever known.

When her labor pains so began a large eruption some say due to Ferocious attack of Arganyu in a Large Volcano (Biu Plateau, Northwestern Nigeria?) That helped divide the continents. It was here that Yembo decided to give birth to her "Omo"-child amidst the eruptions of the volcano her Omo was born and baptized with the name Oggun, it was then that the metals from the lava of the volcano were formed.

His name represented the Metals of the world. And , for this reason he was born in the volcano . Oddua and Yembo had assigned to him as well provider of meat for the kingdom. Oggun was strong, tall dark and handsome, his body covered in pure muscle and blood thirsty character did not help him except to gain his position and hierarchy within the kingdom. His fury and thirst for blood was enough for the inhabitants of the kingdom to respect him.

With Oggun's birth came even greater threats such as Vices and Wars . War became symbolized with Oggun , as he seemed to live within it throughout time. Oggun's birth also propelled the earth towards development and and soon progressed rapidly which became beneficial to all . Oggun was not all blood shed nor war no vice with him was born the qualities of some good and some bad . Oggun was also known for his time of retreat from the world , a time of solitary reflection and solitude from the world.

First husband of his sister Oya, Until Sango came and took her away. This caused a war between the two brothers until Obatala resolved their issues.

From Oggun the first rape and incest (of his mother Yembo) and the curse on earth was born

The first column of the periodic table is known as the elements of Family 1 or alkali metals. This group includes lithium, sodium, potassium, rubidium, cesium, and francium.

By definition, a metal is an element that loses one or more electrons to create a positively charged ion known as a cation (pronounced "cat"- "ion"). The alkali metals have only one electron in their outermost energy level.

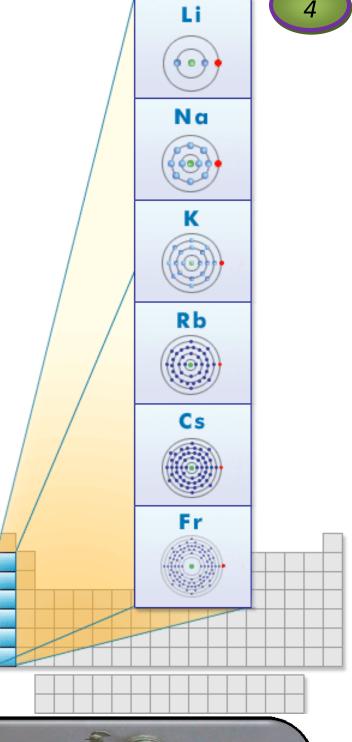
All elements would like to have complete s and p orbitals in their outermost energy levels, an arrangement of eight electrons called an octet. The rule of thumb for creating any type of ion is called the Octet Rule. The Octet Rule says that elements lose, gain, or share electrons to form the required octet in their highest remaining energy level.

Chemical Properties

The alkali metals are the most reactive of all of the metals. Adding them to water causes the hydrogen in the water to be released as a gas, and the formation of very strong bases known as hydroxides. The release of hydrogen is also accompanied by a release of energy during the reaction. For example, adding metallic lithium to water will cause strong fizzing and bubbling with a slight increase of heat. Adding metallic sodium to water will cause more rapid production of hydrogen gas. But adding even a small amount of potassium to water will release a large enough amount of energy to cause an explosion and fire as the hydrogen gas is released and ignited.

In the "Real" World

When metals combine with nonmetals they form a class of chemicals known as salts. The common table salt you use every day is a compound of sodium, an alkali metal, and chlorine, a very reactive nonmetal. Other salts are formed when a different metal or nonmetal is used. Salt substitutes are often potassium chloride compounds. The potassium is used instead of sodium to create the compound. This allows people to control the sodium intake in their daily meal





~Ogun Eats First~

OGUN is primal energy. The word Ogun, with the appropriate tonal changes, can be translated to mean war, inheritance, medicine and perspiration. Ogun is that force of nature that keeps matter in motion. Once god gives a being life, *it is Ogun who sustains that organism*. Ogun is the sustainment of life.

Without Ogun, the universe, as we know it, would not exist. He controls one quarter of the universe and although he cannot exist of himself, he is so important in the scheme of things, that *all of the ORISHA are dependent on him for their existence*.

Ogun is one of the oldest of Orisa in the Yoruba pantheon. Ogun's symbol is the knife. Because of this a major contradiction arises. Ogun eats first, because the knife is the first thing to taste blood in any sacrifice. It is said that ESU/ELEGBA must eat first, and in ritual feasts and bloodless offerings, *he is PRESENTED his food first*.



However, in blood offerings it is Ogun, the only one allowed to take a life, who eats first, and it is because of him that the other Orisa can be fed blood. Although Ogun lives in iron, and one of his symbols is iron, his essence, energy, existed long before iron was created.

~Ogun is Diligence~

Ogun is the father of metamorphosis, because with his great strength and with the aid of intense heat, <u>he transforms carbon into</u> <u>diamonds</u>, sandstone into marbles, and marble into gneiss. The cauldron is symbolic of a womb, a mine, the primordial abyss and the tools inside it are used by Ogun to fashion or shape whatever potential riches are inside.

Ogun is the God of War, Energy and Metal. Ogun keeps matter in motion. Ogun is the sustainer of life. Ogun lives in the knife, and with it, clears a path for man. Ogun is the force within your computer. Ogun is technology. Ogun is the force of gravity, the force of attraction. Ogun represents the tools that shape man, bringing out a person's potential, enhancing one's life. Ogun controls life and death. Ogun is our heart beat and the final contraction during birth.

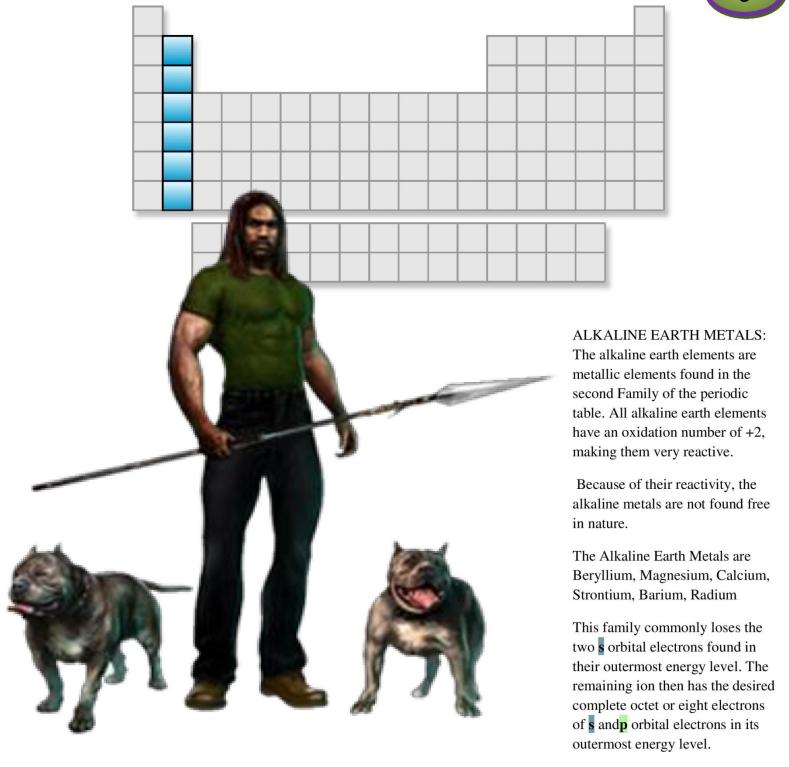
~Ogun's Tools~

Ogun clears obstacles that get in the way of spiritual growth.

The main tools of Ogun are the anvil, which signifies the earth's ability to transform man. the shovel, which is used fir digging into one's potential; the machete, which is used to clear path's and to protect; The rake, which is used to gather and smooth rough area's of the self; the hoe, which is used to cultivate one's potential; The hammer, which is used to bend or shape one's faculties; and the pick, which is used to pierce or penetrate the hardened areas of the self. the implements are gifts of Ogun which he uses to help a person through life. Ogun's favorite animal is the dog. *Ogun likes all dogs but his favorite is the black dog*.

OGUN Oni' re ni je aj'a,
OGUN ikola a je `gbin,
OGUN gbena-gbena`oje igi ni i je!
pa si'le ps s'oko.
Laka aiye OGUN ko laso,
moriwo l'aso OGUN.
Ire kii se ile OGUN,
emu lo ya mu ni'be.

OGUN, the owner of Ire, eats dog,
OGUN of circumcision, eats snail,
OGUN of carvers, saps the juice of trees!
He kills in the house and kills on the farm.
He who covers the world, OGUN had no cloth,
Palm frond is the cloth of OGUN.
Ire is not the home of OGUN,
he just stopped there to drink palm wine.



Chemical Properties

One of the signature properties of this group of elements is that they become increasingly soluble with a decrease in temperature. This is usually true only for gases.

Just imagine stirring sugar into a glass of tea. If you want to make really sweet tea, you need to add the sugar before adding the ice. Hot tea will dissolve more sugar in the same volume than cold tea. If the sugar were calcium, more calcium would dissolve into the liquid as you added the ice.

~The Third Child Osoosi~

The fact that Òsóòsi is so prevalent in the West tells us something about history. <u>We have an Orisa that is only found in Nigeria's Ogun State</u> that is very popular in the West.

That tells us that a significant number of ISRAELITES who came from Africa to Cuba were from Ogun state.

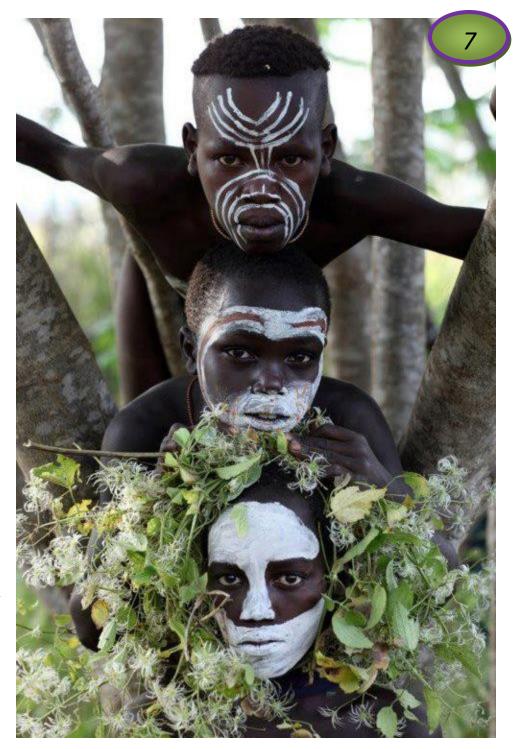
The reason I bring that up is because I have heard different interpretations of this fact. People go to ILE IFA and they don't see Osóosi and they think that Osoosi was lost and that the religion is in regression in Africa. The reason Osoosi is not found in Ile Ife is because Osoosi was never there.

~The Third Child Ochosi~

Oddua and Yembo's grow more intense with each child that came unto them, and soon the where expecting their third child.

The parents named their third child Òsóòsi/Ochosi . He came into the world to implement the rules to be followed by all in the kingdom of Olodumare. He would become the hunter for all those that lived in the kingdom. The implementer of the laws by which all those must conduct themselves upon the entrance into this world. Oddua and Yembo gave him the order to hunt in order to feed the multitudes that would follow.

Born the sorcerer a little bit of good and a little bit of bad was also born with him on the earth. for this we say " For the world to turn there must be a little bit of everything".

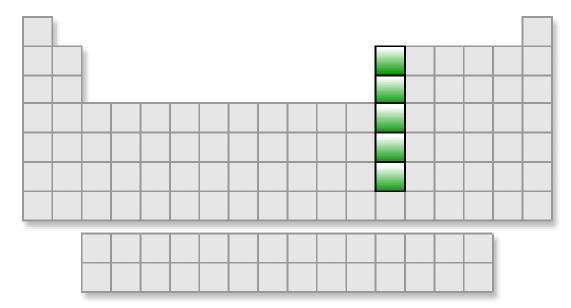


Although he had the gift of sorcery, Olodumare only allowed him to use for the good of mankind.

Enchanting looks and a keen eye attracted the kingdoms people to his side. He was respected by all in the kingdom for his good judgments and sense of hunt. As we hear in his Orin (song) Òsóòsi? Òsóòsi ire, ode mata ode mata- (Sorcerer of the left hand, brings good fortune, spotted medicine of the forest.)

His name Òsóòsi means "all that is hidden on the left side" spirit of the Tracker known in many Itan by this name as well the "spirit of the tracker". In another Itan I shall speak of later Òsóòsi uses his sorcery to enchant a arrow that he shoots into the air and the arrow takes flight and because he is so just, the arrow penetrates his own mothers heart (Yembo) for he thinks a thief has stolen his bounty that was meant for Olodumare.

OCHOSI: BORON FAMILY (13)



The Boron Family:

This family includes the elements boron, aluminum, gallium, indium, and thallium. The last of the p block families we will be looking at is the **boron family** -- Group 13. All five have three electrons in their outer energy level. Only one member of this family is a metalloid -- boron. The others are classified as metals, forming positive ions by giving up their three outermost electrons.

In the "Real" World

Boron is most commonly found as borax and boric acid, which are used in cleaning compounds. Aluminum is the third most common element in the earth's crust. It is used as a coating agent, to prevent oxidation. It is an excellent conductor of electricity and heat and can be found in many cooking utensils.

Gallium is important today in the production of gallium arsenide <u>LEDs</u> <u>and laser diodes</u>. Indium is a very soft metal that can actually be wiped onto other metals as an anticorrosion agent.

It also has the peculiar quality of squealing when bent. Finally, thallium is quite toxic and is sometimes used in *rat poisons*. It has also been used in glass to make special infrared filters. BORON FAMILY



Black Family is the Only Solution

~BlackLove, BlackRoots & BlackFamily! Build one, I dare You!

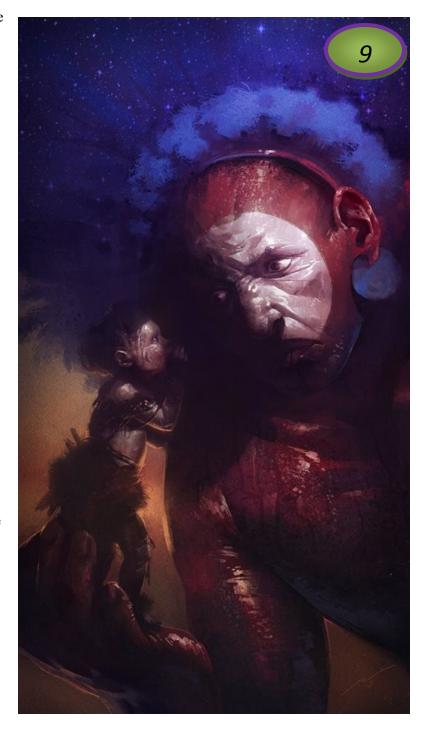
Zenovia, Zevian, Josiah, Jahvaris, Nkimia Otep Oggun made Prince Eleggua's life impossible, he would bribe him and promise anything to him in order to coerce him into silence, and he received a resounding answer of "No" every time. Oggun became inpatient and began rationing Elegguas food in hopes of blackmailing Eleggua into his schemes and silencing his voice. Still this did not work.

Oggun then throws Prince Eleggua out of the home and into the streets. When Oddua returned to the home he found his youngest son is missing and asks everyone where is the young Prince? Oggun lies to his father and says that Eleggua had gone into the forest to visit his brother Ozain. Meanwhile, the young Prince Eleggua was beside himself and hungry living in the streets.

This when Eleggua sits and waits at the four corners of the street (the crossroads) waiting patiently for his father on his way home to tell him the truth and the reason why he had been missing for three days.

** It is at this time that Eleggua transforms into Eleggua "Laroye" and where in the future he becomes the Ruler of all paths on earth and life.

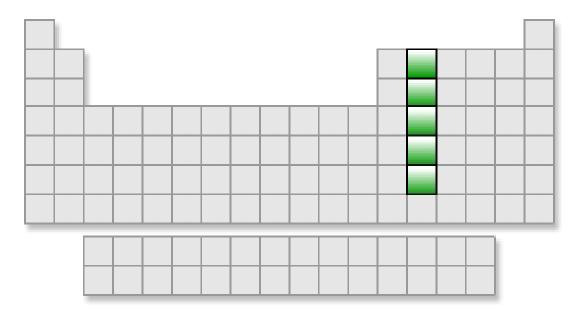
Laroye waiting for his father to pass knew the only way to confront all this was to do what he did best and that was to tell the truth to his father of how Oggun was abusing his wife and his mother. As Oddua passed the crossroads there he came upon and surprised to see his son Eleggua who he had not seen in three days . "Omo mi , you must indeed be missing me these three days that you have come to meet me at the crossroads of home. Laroye raised his eyes to meet his fathers and replied , "Baba mi the reason I have not been at home for three nights is that Ogguns lies and he has cast me out of your home. Oddua gazed upon his son with doubt and continued "Why would your brother cast you out of the home that is not his , to cast you away? Speak to me clearly of your reasons and tell me everything that has transpired ".



Laroye now sees the opportunity to tell his father everything begins, "Oggun threw me out of your home and has not feed me in some time for when you leave the Home. He has coerced Ossosi and Ozun so they won't tell you what happens in your absence from the home of what he does to my mother, every time you leave in the morning he begins to rape her and abuses the other siblings and uses our food as blackmail." Oddua is left in shock, and he becomes weak and a sensation arises within himself and Laroye sees the doubt once again coming to his fathers face and he says unto him "Baba mi, I have never lied to you nor to anyone of the kingdom. I know it is hard to believe but if you think I am lying then come home early tomorrow and you shall see with your own eyes." Now the feeling Oddua had inside spread throughout his body. It was the sensation of fury, The attack of fury was so great that something came out of his body and shot up into the sky. What was left in his body was nothing but a shell of what he was and had been

*It is at this instant that Obatala leaves the body and Orisa Obatala Ayaguna (the furious warrior) is what remains in his place.

ELEGBA: CARBON FAMILY (14)





Group 14 is the **carbon family**. The five members are carbon, silicon, germanium, tin, and lead. All of these elements have f our electrons in their outermost energy level. Of the Group 14 elements, only carbon and silicon form bonds as nonmetals (sharing electrons covalently).

Silicon and germanium are semimetals (metalloids), existing in compounds with either +4 or -4 charges. Tin and lead are definitely metals. They always lose electrons due to the distance of their outer shells from the nucleus. They usually form compounds as cations with a +4 charge. All of the elements of this family can form four bonds, the most of any family.

Chemical Properties

The element carbon is the basis of life. It is found in all living material. Silicon is a semiconductor used commonly in computer chips and solar cells.

It is also the second most abundant element in the earth's crust. Silicon dioxide, SiO₂, is the major component of glass. Germanium has important semiconductor properties and is used in the computer industry. *It is one of the few elements that expand when frozen*.

Lead has long been used for plumbing and is also used to block radiation. Tin was once used to make cans because it is relatively stable -- unreactive. Aluminum has replaced the more expensive tin today.

The Mighty Shango & Osain: How Shango got Fire!

On his way to Yemaya's palace with Dada, Shango see's a strange man who is missing a leg, an arm and a eye. When they saw each other, they found no words where needed to be exchanged. Osain said "ALAFI- King of kings, Before will come long and bloody days of war ahead, with my help you will be victorious. You will rise above any enemy and obstacle that you shall face".

With this Osain gave a gourd to Shango inside where the elements that were under his domain for he was the Orisa that ruled over nature. Inside the gourd was the ability to breathe fire from his lips. Osain continued " This is your secret, You should place your fingers inside and make a sign of a cross upon your tongue ".

At that precise moment Shango learned his lineage, he became aware he was fire personified and the born psychic, He had the prophecy in his tongue and it would be him that cured his father from mental illness, As well as make Oggun's life miserable for all the suffering he had caused in the kingdom. From this day on Osain and Shango became one, Osain would become Shango's godfather on earth.



Shango took the gourd home and place it in a secret place. It was not needed to tell Dada never to go near the secret place not touch the gourd as she was incapable of doing such a thing. Dada reminded Shango that the others where waiting on him at the palace of Obatala and Yemaya. Before he left Shango dipped his finger into the gourd and followed the instructions of Osain , Fire spouted out of Shangos mouth and when he spoke his voice could be heard throughout the kingdom in a roar. Dada was afraid but Shango said "Do not be afraid , I would never harm you for you are my IYA (mother)". after those words of reassurance Dada said "come let us go, they are waiting."

How Oya got Fire @

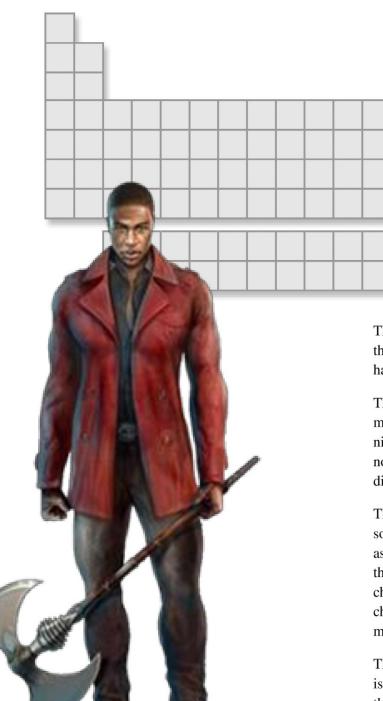
Chango is able to breathe fire from his mouth. He found out the secret from the herb orisha Osain who gave him Abocun which is the secret of the fire. Chango keeps Abocun deep in his mortar locked in a safe room. When Chango is going to battle he first goes to Abocun to gain the secret of the fire. He puts it on his tongue and is instantly able to blow fire from his mouth. He then rides out with his daughter Aiña, who is the heat of the fire. Abocun was found by Oya who was snooping around Chango's castle and saw the lock door. As the air we breathe she passed right through and put the secret of Abocun on her tongue and from that day she was able to breathe fire from her mouth.

In the religion Palo Mayombe, Chango is represented by the palo deity Siete Rayos who share the same characteristics as the orisha Chango. They are not the same but the share a lot of similarities.

While a storm is going on where there is lightning and thunder, you should always salute Chango with his salutations. "Kabi O Sile" The great king. If you see a thunderbolt hit the ground, after the rain has subdued, go to where the bolt hit and dig a hole. It is said that he leaves traces of his thunderbolt through a



black stone that is called and odu ara (lightning bolt stone). He loves this stone and all of his followers wear this stone around their necks or on them to represent the orisha.



The Group 15 elements are generally known as the **nitrogen family**. All of the elements of this family have five electrons in their outermost energy level.

This group is divided into nonmetals, semimetals, and metals by characteristic. The top two elements, nitrogen and phosphorus, are very definitely nonmetals, forming -3 charge anions. Nitrogen is a diatomic gas and phosphorus is a solid.

The elements arsenic, antimony, and bismuth all have some characteristics of semimetals such as brittleness as a free element. Arsenic is the only true semimetal of the three, existing in compounds with both -3 or + 5 charges. Antimony and bismuth can exist with a -3 charge in compound but are more commonly found as metals with a +5 charge because of their size.

The pull of the positive protons found in their nucleus is so far from the outer shell (highest energy level) that the outer energy level electrons are more easily stripped off than they are able to attract three more electrons to complete the octet. In fact, bismuth is generally classified as a metal.

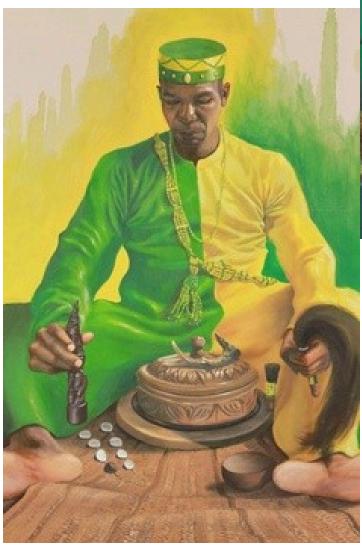
Chemical Properties

Nitrogen is used in saltpeter for <u>fertilizer and explosives</u>. It is also <u>useful to create an oxygen-free atmosphere</u> to prevent oxidation or combustion. A common use for liquid nitrogen today is the rapid freezing of food products. We also use liquid nitrogen in medical/surgical applications such as cryotherapy and cryosurgery. Phosphorus is used in compounds such as phosphoric acid, to make synthetic fertilizers, and in detergents. Arsenic and antimony are most commonly found in alloys used for the production of batteries and special types of solder. Bismuth is commonly used for alloys of metals and as a component of cosmetics or medicine used to treat upset stomach (Pepto-Bismol) and eczema.

~The Mighty Yemaya~

Yemaya marries Orula after Cleaning her House:

Yemaya had much money, and wanted to marry Orunmila, deciding to go in search. On her way she met Eleggua, and asked him of what he lived of; He said that in the corner, eating Guinea pig and smoked fish, roasted corn and corn flour, and doing errands. She replied that it was not him. Following the path she found Oggun, and asked him the same thing; He said that he was a blacksmith; She replied that it was not him. Then, Orula was found, and after ask the same question, heard of him living off readings. Now, Yemaya replied yes that it had to be him. But Orula told her that for marriage, she had to do a cleaning. And Yemaya, so did to achieve her purpose.



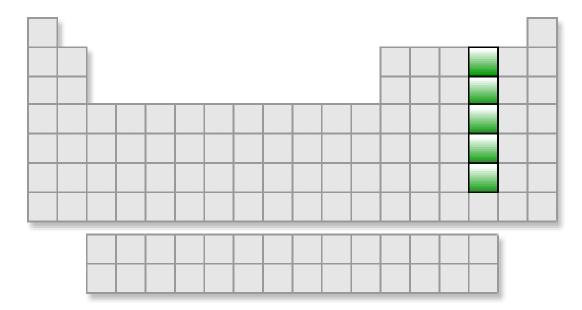


Yemaya's Children Eat the Poison Meat (Pork)

In where lived Yemaya with her children, Ifa prohibited the consumption of pork because of its negative consequences for health. Children of Yemaya had pork among their favorite dishes, for its flavor and because producing them sexual furor. So they began to eat it in a clandestine manner. They then contracted serious diseases that could not be cured. Yemaya, desperate, searched for Oggún, her husband. He only solved with violence, and whenever a child complained, killed with his sword so that they suffer no more. Then, Yemaya had a reading with Orula, who gave the following remedy: boil water of Coco with the grass tua tua, caisimon, anise and alacrancillo, and igerirla in the form of infusion.

Yemaya Cleans her Many Houses:

Yemaya was rich and lived on incomes; She had several houses. But the tenants stopped paying her. This plunged her into such despair that she thought even in committing suicide. Then she turned, and thought to see Orula. And Orunmila made a record, and told her to remain calm, that would get the payments they owed her; just had to do a cleaning. Yemaya made, went home to wait, and the next day the tenants began to pay what was due.



Group 16 is the **oxygen family**. It consists of the elements oxygen, sulfur, selenium, tellurium, and polonium. Each has six of the desired eight electrons to complete its outer shell. This means that it <u>takes or accepts two electrons</u> from atoms of other elements to form anions or <u>shares two electrons to form covalent bonds</u>.

Chemical Properties

Oxygen and sulfur are common elements. In fact, oxygen is the most common element (by mass) in the earth's crust. Because oxygen is second in electronegativity only to fluorine, it reacts with almost everything to form compounds here on earth. Selenium has some semimetal characteristics, such as an increase in electrical conductivity when a light is shined on it. Tellurium is a true semimetal, existing in compound with both positive and negative charges. Polonium is an extremely rare radioactive element. This means that the oxygen family is split between nonmetals and semimetals.



The Mighty Obatala

Depending on the path, his color is white with touches of other colors. He is the owner of silver that the orisha Boyuto found and gave to him

Obatala created mankind and it's said that Olofi came and breathed life into his creations. Obatala as much as he is the owner of clarity, peace and tranquility, he is also a great and fierce warrior when he wants to. With his sword he battles against evil and triumphs over all. But when he is summoned it is to bring order and peace. He is the white pigeon that is seen flying over to announce peace is here. Obatala is associated with the mountains and high elevated place.

~Making of Man, Deformities, Albinos & Land~

Olofi was thinking one day in the heavens about creating life down on the planet earth that he and Olodumare created. The planet was just water where Olokun ruled. Olofi called his wise court to sit and discuss the creation. Orula who was present told Olofi that life can be created on Olokun's kingdom but an ebbo needed to be performed. Orula looked into the divination oracle and told Olofi that someone wise had to perform this ebbo so that life can be created. Orula determined that Obatala had to descend on a long chain from the heavens with a hen and sand.

The day came and Obatala descended onto the watery domain of Olokun.

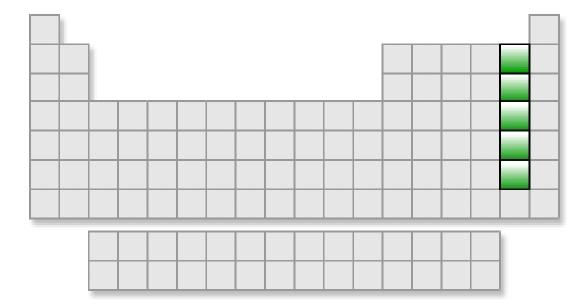
Right before his eyes the land started to appear right beneath his hanging feet. Obatala jumped down and was the first orisha to hit land. When Obatala looked up Elegua was descending on the chain. Obatala asked Elegua what was he doing and Elegua responded to him that he was seeing if he needed any type of help. Obatala started to walk the lands that were created from the heavens. Obatala and Elegua noticed how trees started to grow, grass started to grow, flowers were springing out. Olofi pleased, sent a white pigeon down to earth to Obatala which this became his symbol.

Olofi said that he wanted mankind to walk the earth but did not want them to have the ashe that the orishas have. Obatala agreed and told Olofi that he would help him create mankind. Olofi told Obatala that he would give him that task as he had other things to create within the heavens and space. Obatala bowed his head and agreed to create mankind. Obatala asked how should he create mankind and Olofi told him to make them in human form just as the orishas. Olofi told Obatala to form them and when he was ready to call him and he would come down and breathe life into them. Obatala agreed and with the sands of the earth he started to form and mold what we are today. Obatala called Olofi to come breath air and life into the molds. Once life was blown, these humans stood up and were told to make prosperous and humble lives praising Olodumare as the creator.

This went on for days but one day Obatala grew very tired and decided to take a break of his task that Olofi asked of him. He walked over to a tree that was giving shade to the land and sat underneath it. He took a breather and reached for his white pouch where he had his oti. Obatala sat under the tree and started to drink his oti to quench his thirst. Without realizing, he drank all of his oti and he had none left. Obatala stood up and staggered over to where his molds were. He began again molding and shaping human forms. But without noticing, his molds and creations were coming out a little weird. He made molds that were missing limps, he made deformed bodies, he made molds with no type of pigmentation (ie. Albinos) and so forth.

Olofi came to the earth and saw the molds lying lifeless on the sands and since he trusted and reviewed Obatala's work in the past he did not notice that these molds were different. Olodumare proceeded to breathe life into these humans. When life was given to them, they stood up and Olofi noticed that they all had different deformed bodies. Olofi got upset and questioned Obatala on this creation. Obatala seeing this, knew that he did something wrong and disrespected Olofi's overall dream. He begged Olofi for forgiveness and told Olofi that from this day forward he would take all of those creations as children of him. He would take care of them and look after them and keep them from harm. Olofi shook his head and accepted Obatala's apology and request. Obatala also told Olofi that he would never drink again due to what he did with the creations of man.





Group 17 is a family of elements known as the halogens. The word "halogen" means "salt-former." *The halogens form salts* when

they react with a metal. Halogens exist in a variety of states at room temperature. Fluorine and chlorine are gases, bromine is a liquid, and iodine and astatine are solids. All of these elements exist as diatomic molecules in their gaseous state. This means that two atoms bond together to form a molecule of the gas.

Chemical Properties

The elements in this group are all one electron short of having a complete s-p octet in their outer energy level. Any element that accepts electrons to form a complete octet is called a **nonmetal**. The halogens will typically take an electron from a metal or even a weaker nonmetal to complete the desired octet. The ions formed by this transfer of electrons to the nonmetal are negatively charged because they have more electrons than protons. They are called **anions**. Fluorine is the element with the most electronegativity on the entire periodic table. **Electronegativity** is the measure of how strongly an element will attract electrons away from other atoms. Its very high electronegativity makes fluorine the most reactive element.

In the "Real" World

All of the elements of the halogen family are found in common use in everyday life. Fluorine is used in compounds to strengthen the

h glass. Chlorine is used in our drinking water and in m of *chlorine dioxide to bleach* wood pulp in the manufacture h. Chlorine compounds are used in insecticides, fireworks,

enamel of your teeth against decay. It is also used in acid form to etch glass. Chlorine is used in our drinking water and in swimming pools to inhibit bacterial growth. It is also used in the form of *chlorine dioxide to bleach* wood pulp in the manufacture of very white paper. We also use chlorine in everyday laundry bleach. Chlorine compounds are used in insecticides, fireworks, and matches.

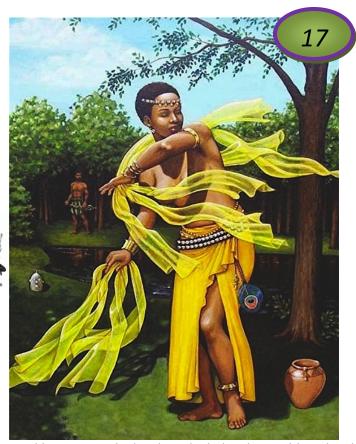
The Mighty Oshun

~How Oshun Got Her Yellow Dress!~

Oshun's color is yellow now and when I say now I mean that is the color that represents her in this time life. When Oshun was first born she had on a white dress. This was the only dress that Oshun had and owned. But everyday Oshun would go to the river and wash her only white dress. After a while Oshun noticed that her white dress was starting to fade into a bright yellow. Oshun was amazed and happy that she had a yellow dress because none of the adult orishas owned or had anything with the color yellow. From that day forward, yellow became Oshun's primary color.

How Oshun got the Vulture ©

In the early days of the world, and of ilé Ifé the orishas became tired of serving Olodumare. They began to resist the Lord of Heaven's edicts and even began plotting the overthrow of his kingdom in heaven and earth. They felt they didn't need Olodumare and since the Lord of Heaven was so far anyway, they could merely divide the ashé or powers among themselves. When Olodumare caught wind of this attitude and their plots, the Lord of Heaven acted simply and decisively: Olodumare simply withheld the rain from the



earth. Soon the world was encompassed by a staggering drought, the ground became parched and cracked, the plants withered and died without water. It wasn't long before all on earth, orishas and their chidren alike began to starve.

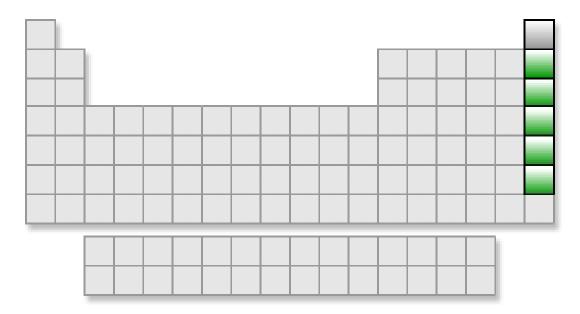
After a short time, growling bellies and sallow faces began to speak louder than their pride and rebelliousness. They unanimously decided to go to Olodumare and beg for forgiveness in hopes that this would bring rain back to the world. But they had a problem: none of them could reach the distant home of Olodumare. They sent all the birds one by one to attempt the journey but each and every one of them failed, tiring long before reaching the palace of the Lord of Heaven. It began to appear that all hope was lost. Then one day, the peacock, who was in reality Oshún herself, came to offer her services to save the world from this draught. There was laughter as the orishas contemplated the idea of this vain and pampered bird undertaking such a journey. "You might break a nail", said one. But the little peacock persisted and as they had nothing to lose, they agreed to let her try.

<u>So the little peacock flew off towards the sun</u> and the palace of Olodumare. She kept flying higher, determined to reach the Lord of Heaven and to save the world. Her feathers began to become burnt and black from the sun, and all the feathers on her head burnt off, but she kept flying. Finally, through sheer will and determination she arrived at the gates of Olodumare's palace. When Olodumare came upon her she was a pathetic sight, she had lost much of her feathers and the ones that remained were black and scraggly. Her once beautiful form was hunchbacked and her head was bald and covered with burns from flying so close to the sun. The Lord of Heaven admired her determination. He asked her why she made such a perilous journey. She explained the state on earth and told Olodumare that she had come at risk of her own life so that his children (humanity) might live.

When Olodumare looked to the world and to Oshún's plaintive look, it was obvious that everything she had said was true. The Lord of Heaven then turned to the peacock who was now what we call a vulture, saying that her children would be spared from this draught and ordered the rain to begin again. Then Olodumare looked deeply into Oshún's eyes and into her heart, then announced that for all eternity she would be the Messenger of the House of Olodumare and that all would have to respect her as such. From that day forward in this path she became known as Ikolé, the messenger of the House of Olodumare. Ikolé also is the name for the vulture in Lacumí. And from that day the path of Oshún known as Ibú Ikolé was revered and became associated with her bird, the vulture. The vulture then returned to earth, bringing with her the rain, where she met with great rejoicing. As befits a queen or Iyalodde, she graciously refrained from reminding them of their jibes and abuses as she could see the shame on their faces. This is why, whenever a person is to become initiated as a priest in our religion, no matter which orisha they are having seated in their heads, they must first go to the river and give an account of what they are to do as Oshún is the Messenger of Olodumare.

Maferefún Oshún

OSHUN: *NOBLE GASES* ~ *helium family (18)*



Let's look at the other side of the periodic table now. The group of elements at the far right of the table (Group 18) is known

commonly as the **noble gases**. They are generally chemically inert. This means that they do not react with other elements *because they already have the desired eight*

totals and p electrons in their outermost (highest) energy level. The elements in this group are helium, neon, argon, krypton, xenon, and radon. They are monatomic gases. These gases were not discovered until the last five years of the 1800s. They are extremely rare in nature.

Chemical Properties

Of the noble gases, only helium and neon are truly inert. The other noble gases will react on a limited scale under very specific conditions. Krypton will form a solid with fluorine, and xenon will form a variety of compounds with oxygen and fluorine.

In the "Real" World

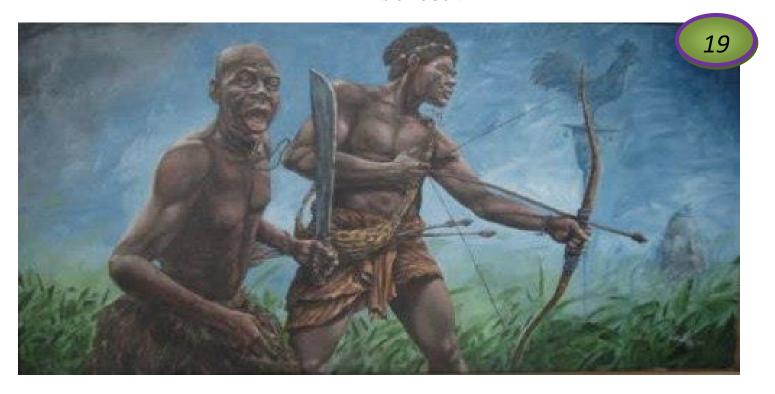
The noble gases are used in industry in arc welding, to dilute the oxygen in deep-sea divers' gas tanks, and to fill light bulbs. Argon is used in arc welding and in common light bulbs, as it does not react with the metal at high temperatures.

Helium is used for diluting the pure oxygen in deep-sea diving tanks because the helium has a low solubility in human blood. Helium is also used to inflate the tires of large aircraft, weather balloons, and blimps because it is nonflammable.



Neon is used in sign tubing because it glows bright red when electricity is passed through it. Krypton and xenon are used in photographic flash units and in lighthouses, as running an electric current through either element generates a very bright light.

THE PATHS OF OGUN



Ogun Alagwede

This Ogun is the oldest. He is the Ogun that knows the secret to forging the metal. This path of Ogun is a hard working and he does not rest until he gets the job done. When Alagwede comes down he mimics the act of forging the metal on top of his anvil.

Ogun Arere

This Ogun also knows the secret of the metal. He is a warrior and cuts through the tall grasses to conquer what needs to be conquered. Accompanied by Ochosi and Elegua to look for game to hunt. Arere loves to drink and battled Chango on certain occasions. He knows the woods profoundly and knows its secrets.

Ogun Chibiriki

This Ogun's rage makes him a great ferocious warrior. This path of Ogun is always in battle for his children and does not rest. Chibiriki has many machetes and knives under his belt that he uses to slice and dice at his enemies. He loves to see blood shed from his enemies. He loves to drink. Its said that when this path of Ogun comes to the land you have to be careful not to have any knives around for he will grab one and begin make cuts on himself to show that he is in battle.

Ogun Onile

He is one of the youngest paths of Ogun. This path loves to drink and dance in all occasions. Onile is able to run swiftly through the woods and attack his enemy without them even noticing he's approaching. Onile is very fast with his machete. When Onile comes to the earth, he dances and mimics the action of cutting through the tall shrubs.

Ogun Ode

He is the path that walks with Ochosi to bring justice and hunt to mankind. Ogun Ode is always in hunt with Ochosi looking for game to hunt. He is very swift with his actions and he has a hard hand when it comes to justice. He is a sorcerer and knows the secret of the woods.

Ogun Oke

Owner of the forest. This path knows every inch of the forest. The beginning and the end alongside with every plant and animal that grows in it.

Ogun Meyi

This Ogun takes everything double. He walks around swaying machetes in both hands. He is a great warrior and is fond of battles. Everything you put to him should be in double forms. You just cant give him 1 machete you must give him 2.

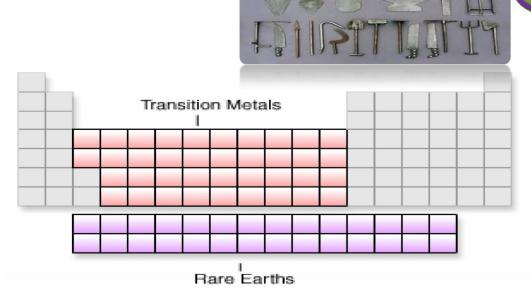
Ogun Alada

This path is said to be the one that fights alongside Yemaya when she is at her warrior stage.

There is much more paths but it would be impossible to list them all.

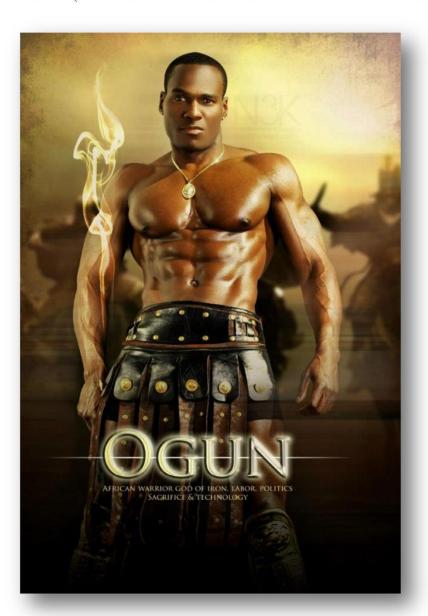
~There are many more paths of Ogun~

OGUN'S 38 KINGDOMS & OBATALA'S 38 POWERS:



TRANSITION METALS & RARE METALS

The Center elements of the periodic table can be lumped into two major divisions, the **transition metals** (Groups 3-12) and the **rare earths** (which can be further broken down into the actinides and lanthanides). Each group in the transition metals has



complete **s** and **p** orbitals with incomplete **d** orbitals. The elements tend to want the most stable configuration; for example, one electron in each orbital instead of a complete **s** orbital and four **d** orbitals with one electron each. This leads to some unique characteristics.

Chemical Properties

The transition elements often act as catalysts in reactions and are often colorful in compounds.

In the "Real" World

~Rare earths make the strongest magnets~

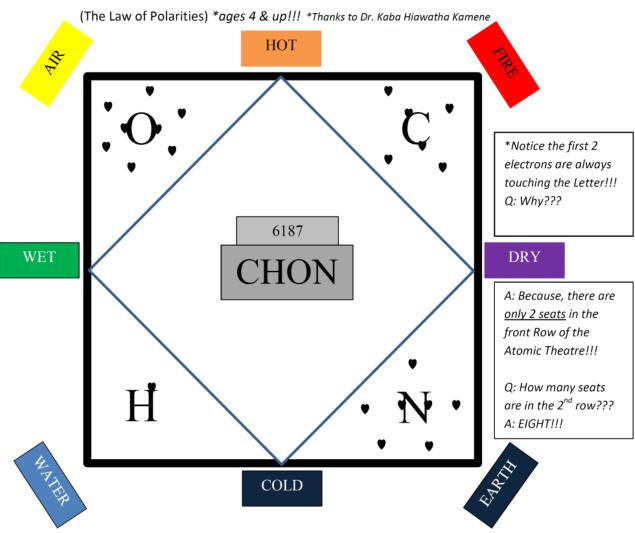
The 38 elements in groups 3 through 12 of the periodic table are called "transition metals". As with all metals, the transition elements are both ductile and malleable, and conduct electricity and heat.

The interesting thing about transition metals is that their valence electrons, or the electrons they use to combine with other elements, are present in more than one shell. This is the reason why they often exhibit several common oxidation states.

There are three noteworthy elements in the transition metals family. These elements are iron, cobalt, and nickel, and they are the only elements known to produce a magnetic field.

~Please watch Dr. Kaba Hiawatha Kamene's Lecture: The History and Science of the Moors skip to 1hr 33min. to better understand this chart!!!

THE LAW OF OPPOSITES



4 Natural Elements: Fire, Water, Air & Earth

4 Primary Colors: Red, Blue, Yellow & Indigo (Indian Black or Blue Black – going beyond the brown)

4 Natural Conditions: Hot, Cold, Dry & Wet

4 Intermediate colors: (Red+Yellow) Orange, (Yellow+Blue)Green, (Blue + Indigo) Indigo, & (Indigo + Red) Violet

4 Most Common Elements in Living Organisms: CHON --- Carbon, Hydrogen, Oxygen & Nitrogen ----

RIDDLE: Why are all the numbers afraid of SEVEN?

Clue: 1,2,3,4,5,6,**7,8,9**Answer: Because 7 ate 9!

Question: What did All the ones that were left do?

Answer: 6 ones ate 7!!! ----- (6187)

Application: CHON

1. How many electrons *or planets* does carbon have? __6_

2. How many electrons or planets does Hydrogen have? 1

3. How many electrons or planets does Oxygen have? 8

4. How many electrons or planets does Nitrogen have? 7

CHON PS: 5most essential elements for living organisms making up about 98% of the mass of living organisms

*(P: phosophorus & S: Sulfur)

CH: Lipids, Fats,Oils, wax CHO: Starches, Sugars

CHON: DNA (co-ordinates the building of your body –

your body's design manual)

CHONP: amino acids & proteins (groups of amino acids)

CHONS: amino acids & proteins (groups of amino acids)

ELECTRON SHELLS

In chemistry and atomic physics, an electron shell, also called a principal energy level may be thought of as an orbit followed by electrons around an atom's nucleus. The closest shell to the nucleus is called the "1 shell" (also called "K shell"), followed by the "2 shell (or "L shell"), then the "3 shell" (or "M shell"), and so on farther and farther from the nucleus.

Shells

The electron shells are labeled K, L, M, N, O, P, and Q; or 1, 2, 3, 4, 5, 6, and 7; going from innermost shell outwards. Electrons in outer shells have higher average energy and travel farther from the nucleus than those in inner shells. This makes them more important in determining how the atom reacts chemically and behaves as a conductor, because the pull of the atom's nucleus upon them is weaker and more easily broken. In this way, a given element's reactivity is highly dependent upon its electronic configuration.

Subshells

Each shell is composed of one or more subshells, which are themselves composed of atomic orbitals. For example, the first (K) shell has one subshell, called 1s;

the second (L) shell has two subshells, called 2s and 2p; the third shell has 3s, 3p, and 3d; the fourth shell has 4s, 4p, 4d and 4f; the fifth shell has 5s,5p, 5d, and 5f and can theoretically hold more

but the 5f subshell, although occupied in actinides, is not filled in any element occurring naturally. [2] The various possible subshells are shown in the following table:

Subshell label	l	Max electrons	Shells containing it	Historical name
S	0	2	Every shell	sharp
p	1	6	2nd shell and higher	principal
d	2	10	3rd shell and higher	diffuse
f	3	14	4th shell and higher	fundamental
g	4	18	5th shell and higher (theoretically)	(next in alphabet after f) ^[4]

Number of electrons in each shell

Each subshell is constrained to hold $4\ell + 2$ electrons at most, namely:

- Each s subshell holds at most 2 electrons
- Each p subshell holds at most 6 electrons
- Each d subshell holds at most 10 electrons
- Each f subshell holds at most 14 electrons
- Each g subshell holds at most 18 electrons

Therefore, the K shell, which contains only an s subshell, can hold up to 2 electrons; the L shell, which contains an sand a p, can hold up to 2 + 6 = 8 electrons, and so forth; that's why *n*th shell can hold up to $2n^2$ electrons.^[1]

Although that formula gives the maximum in principle, in fact that maximum is only *achieved* (by known elements) for the first four shells (K, L, M, N). No known element has more than 32 electrons in any one shell. [6][7] This is because the subshells are filled according to the Aufbau principle. The first elements to have more than 32 electrons in one shell would belong to the g-block of period 8 of the periodic table. These elements would have some electrons in their5g subshell and thus have more than 32 electrons in the O shell (fifth principal shell).

Shell name	Subshell name	Subshell max electrons	Shell max electrons	
K	1s	2	2	
L	2s	2	2+6=8	
	2p	6		
M	3s	2	2+6+10 = 18	
	3p	6		
	3d	10		
N	4s	2	$ \begin{array}{c} 2+6+\\ +10+14\\ =32 \end{array} $	
	4p	6		
	4d	10		
	4f	14		

VALENCE SHELLS

The **valence shell** is the outermost shell of an atom. It is usually (and misleadingly) said that the electrons in this shell make up its valence electrons, that is, the electrons that determine how the atom behaves in chemical reactions.

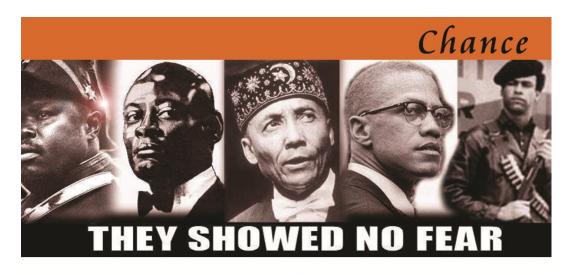
Just as atoms with complete valence shells (noble gases) are the most chemically non-reactive, those with only one electron in their valence shells (alkali metals) or just missing one electron from having a complete shell (halogens) are the most reactive

However, this is a simplification of the truth. The electrons that determine how an atom reacts chemically are those that travel farthest from the nucleus, that is, those with the highest energy.

For the transition elements, the partially filled (n-1)d energy level is very close in energy to the ns level and hence thed electrons in transition metals behave as valence electrons although they are not in the so-called valence shell.

History

Of All Subjects History is Best Qualified to Reward your Research ~ The Most Honorable Elijah Muhammad



GET OUT OF JAIL FREE!

Heroes & Nation Building: National Heroes must be of a caliber that inspires the best in our children. They must bring out the Man in our Boys and Nurture the Woman in our Girls. Heroes help to provide the foundations for a positive and unassailable self-identity.

The lists of <u>TEN BLACK HEROES</u> were made for OUR children; in an effort to do for them, what Jamaica does for its children. Jamaica continues to give ALL its children SEVEN national Heroes of irreproachable character.

These SEVEN Jamaican Heroes serve as a foundation on which Jamaicans stand firm -creating an educated, proud, strong and delightfully fearless people.

Here in North America & throughout the African Diaspora we will do an even Greater Service to our children by giving them at least Ten Black Heroes © We are the Leaders of the World and the Key to the Future. *It is especially the African Americans who will be both the cornerstone & capstone of our victory*. Our future, like our past, will be BRILLIANT!!!

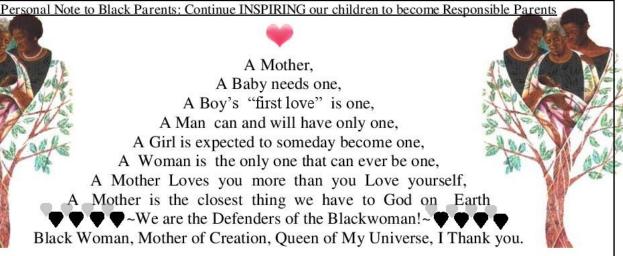
~We are the Defenders of the Blackwoman!

~BlackLove, BlackRoots & BlackFamily.

Hotep!!!

Ten Black Heroines: Every child should know

© SANKOFA: 400 years can never TRUMP over 6,000 years of Our History ©



- 1. The Divine Black Mothers: Dr. Merit Ptah(2700BC) & Dr. Peses-Het(2100BC) Healer & Teacher
 - Dr. Merit Ptah The World's FIRST Mother of Medicine: Chief Physician & Great Scientist
 - The World's First known Female Physician & First Woman named in the history of Science
 - Dr. Peses-Het: Known as Lady Overseer, Head Physician and Supervisor of Physicians
 - She graduated surgeons, midwives, maternal doctors & gynecologists at Sais Medical School

Sais Women's Medical School: Students used the Kahun Papyrus

- ➤ Kahun Papyrus gave detailed instructions on performing surgery & treating women's illnesses
- Medical knowledge was used to poison enemies or to heal friends

"I have come from the school of medicine at Heliopolis [the ancient Egyptian capital), and have studied at the women's school at Sais where the Divine Mothers have taught me how to cure diseases"

- 2. Queen N'zinga (1583 December 17, 1663) from Present day N'gola (Angola)
 - Brilliant military strategist, charismatic leader, and a true Warrior
 - Notorious in war for personally leading her troops into battle
 - "Adopted" Christianity to further seal a peace treaty with the Portugese; the dishonest Portuguese later broke the terms of the treaty
 - Made alliances with enemies (Dutch) against other enemies (Portuguese)

3. Harriet Tubman 1800s

- At 13 years old, prevented another slave from being beaten
- The overseer in response fractured her skull; it took months to heal
- Escaped & Returned to rescue siblings & Parents: Benjamin Ross & Harriet Green
- Always carried a gun to shoot enemies and anyone who turns back
- Rescued at least 200 slaves: Had a \$40,000 bounty on her head

*\$40,000 in 1853 is \$1,023,005.68 in 2008. That is over a MILLION Dollar REWARD!!!!

- Civil War: was a nurse, scout, and spy, for the USA in South Carolina
- Raised money for Black schools, women's rights, the elderly & homes for needy

Harriet Tubman Quote: "I freed a thousand slaves; But, I could have freed thousands more, if only they knew they were slaves."

- 4. Yaah Asantewaa (1840 October 17, 1921) Queen Mother of the Asante (Ghana)
 - Leader of "Golden Stool War": Ashanti rebellion against British colonialism in 1900: Victorious in battle
 - Leader of over 5,000 Asante warriors; killed over a thousand British & their allies
 - The Ashanti defeated the British and maintained independence:
 - The Ashanti were never COLONIZED

"Is it true that the bravery of the Ashanti is no more? ... I shall call upon my fellow women. We will fight the white men. We will fight till the last of us falls in the battlefields!!!"

- **5. Madam C.J. Walker** (December 23, 1867 May 25, 1919)
 - Guinness Book of Records: The First Female of any race to become a millionaire on her own
 - Founded: Madam C.J. Walker Mfr. Co. for hair care products & cosmetics
 - Philanthropist: left two-thirds of her money to schools & charities
- **6.** Nanny of the Maroons (1680-1730s): Ashanti born Leader & Obiyah Woman (Priest)
 - The British lived to regret the day they put Nanny on a slave boat
 - Military genius; Master in the art of guerilla warfare
 - Killed hundreds of British soldiers; Terrorized the wicked British slavers

Religion

- Almost every slave rebellion involved African spiritual practices
- Obiyah made Nanny invincible to whites; able to catch bullets with her hands
- Religions like ObiYah & VieuxDieux strike the Fear of God into the wicked
- Through the effective use of Propaganda & Lies, Whites have convinced Blacks, even to this day, to be afraid of the Religions of their <u>LOVING AFRICAN Fore-parents.</u>
- 7. Dr. Angela Davis (January 26, 1944 present)
 - Leader, Professor, Feminist, Socialist and Communist
 - Twice a candidate for Vice President of the USA on the Communist ticket
 - Active in the Civil Rights Movement and in the Black Panthers
 - Founder of "Critical Resistance" working to abolish the prison-industrial complex

Legal Troubles

- Aug 18, 1970: Accused as an accomplice to conspiracy, kidnapping & murder
- Dr. Davis becomes the third woman to be on the FBI's Top Ten Most Wanted
- Fled California but got captured in New York City; 1972 found not guilty
- Moved to Cuba, with fellow <u>Freedom Fighters</u> Huey Newton & Stokely Carmichael
- Targeted by the United States under Cointelpro

Cointelpro is short for Counter Intelligence Program. (1956 and 1971)- a series of secret & often illegal, projects conducted by the United States to disrupt political organizations & activism

- 8. Hat-shep-sut (1508 BC 1458 BC) "God's Wife" "The Architect"
 - One of the most successful pharaohs, Foster-mother to MOSES from the Bible
 - One of the most prolific builders in ancient Egypt: Reigned for 22 years; Later pharaohs attempted to claim some of her projects as theirs:
 - Made a legendary journey to the land of "Punt" (Possibly Israel)
- 9. Candace of Meroe: (332 BC) Queen of Nubia (Egypt, Somalia, Ethiopia & Yemen)
 - Military tactician: drove "Alexander the Great Devil" away from Nubia, 332 BC
 - A scared Alexander retreats and runs north to invade Upper Egypt instead
 - Rode Standing on top of a Black war elephant
- 10. Empress Makeda: (960 BC) Queen of Sheba (Ethiopia, Somalia, Egypt & Yemen)
 - The Exquisitely Black Queen: Mother of King Solomon's Son (Menelik)
 - Menelik later visited his father in Jerusalem & returned with the <u>Ark of the Covenant</u> to Ethiopia: where it remains to this day
 - In Islamic tradition she is called Balqis
 - Ethiopians regard themselves to be God's chosen people

Bonus**

- 11. Zenobia (240 274⁺): Black Queen who ruled Iraq, Syria, Palestine & Egypt
 - Defeated Rome; The Brave; Claims descent from the African Queen Cleopatra
 - Described as beautiful and intelligent with a <u>DARK COMPLEXION</u>, pearly white teeth, and bright Black eyes; Known for being even "more beautiful" than Cleopatra
 - Fluent in Egyptian, Arabic, Greek & Aramaic
 - * Aramaic is a Semitic language belonging to the <u>Afro-asiatic language family</u>. It is the Native language spoken by the <u>Virgin Mary and Yahshua</u> (Jesus).

Yahshua spent the first years of his life in AFRICA - Mtw 2:13

Black Woman, Mother of Creation, Queen of My Universe, | Thank you!!!

Hotep!!!

TEN BLACK HEROES: Every child should know

A Black Father has Four responsibilities: To (Populate & Educate) AND To (Provide & Defend)

Personal Note to Black Parents: Continue INSPIRING our children to be Brave, Pro-active and Intelligent George Washington did not ASK for Freedom – He took it.

President Harry Truman did not ASK for Peace – He fought for it. President Abraham Lincoln did not ASK for Equality – He gave everything for it.

Our Babies need similar Heroes; Heroes who did <u>NOT ASK</u> for FREEDOM, PEACE or EQUALITY BRAVE & STRONG Heroes who actively <u>EXERCISED</u> their God-given CIVIL & NATURAL RIGHTS.

- 1. The Power of ONE: N'ga Jim from N'gola (aka. the Kongo) the most powerful One-man Army
 - Leader of Stono Rebellion: September 9, 1739 Killing 25 slavers & burning 7 plantations Response
 - South Carolina was so afraid that for 10yrs they STOPPED importing slaves from AFRICA!!!
 - Later they imported slaves from areas other than the Congo-Angolan region

2. Toussaint L'ouverture & Dessalines (May 20th 1743 – 8 April 1803)

- Leaders of the Haitian Revolution(1791–1803)
- Killed 60,000 of Napoleon's troops & 25,000 civilians

The French Involvement

- They Destroyed Napoleon's Army; making him (Napoleon) cry
- France was forced to sell Louisiana (1803); Doubling the size of the United States:
- Toussaint was later Betrayed & Executed by the untrustworthy French (who still owe Haiti money today!!!); after being formally invited as a victorious Head of State to sign Peace Treaties
- 3. Denmark Vessey originally from St. Thomas Virgin Islands: (1767 July 2, 1822)
 - Planned the largest Rebellion in the U.S.A: over 9,000 Black people ready to take the state of S.C.
 - Inspired by the <u>Haitian Revolution</u>, during 1791 was a "Freeman" & an A.M.E. preacher The Plan
 - Slaves & FREE Blacks must slay their owners & seize the city of Charleston S.C.

4. Nat Turner (Oct. 2, 1800 – Nov. 11, 1831)

- Leader of the Nat Turner's Rebellion in Virginia in 1831 that resulting in 60 deaths
- Inspired by "<u>David Walker's Appeal</u>" (Sept 28, 1829): A call on all slaves to kill every enslaver
- February 12, 1831 Solar Eclipse was a sign from God to carry out a Rebellion Description
- 5 ft 7 ins, 150to160 pounds, large flat nose, yellow skin & brisk walker; Immersed in the "I"-ble (Bible)

5. 3-Finger Jack – originally from The Kongo (1780's)

- Jamaican Hero, 6ft 7ins tall: covered such a wide territory that he was thought to be omnipresent
- Leader of over 60 men & women: Completely Feared by the British who posted a massive reward
- Burned plantations killing his enemies (The British) & their sympathizers Religion
- Blessed by Obi-Yah men (meaning: Men of God from the Ashante-Hebrew)
- Carried his Obiang-bag & Ram's horn containing medicine, guidance & protection
- Obiyah made Jack invincible to whites: Killed by Quashie later called "wutless John"
- Religions like ObiYah & VieuxDieux strike the Fear of God into the hearts of the wicked
- Through the effective use of Propaganda & Lies Whites have convinced Blacks, even to this day, to be afraid of the Memories, Faces & Science of their LOVING AFRICAN Fore-parents.

6. Pharaohs & Presidents: Akhenaten, Abraham Lincoln, Vicente Guerrero & Nyahnga Akhenaten – (1300 BC) – "The King of Peace"

- Preached gospel of peace 1,000 before Christ: First World Leader to introduce MONOTHEISM
- 2,000 years before The Prophet Mohammed he taught the doctrine of the ONE-GOD
- Sigmund Freud claims Moses learnt the worship of ONE-GOD from Akhenaten himself

David Walker: A Man must rather be killed than be a slave to a tyrant who takes the life of his mother, wife & child

Abraham Lincoln – (Feb 12, 1809) – 16th president of U.S.A. – 3rd Black President

- Won the Civil War & wrote the emancipation proclamation: freeing fellow Blacks
- The book "Black People and their Place in History" shows 5 Black Presidents who Passed as White Physical Description Was nicknamed "Abraham Africanus the First"
- Law partner, Herndon: says "Lincoln has <u>very</u> dark skin, coarse hair & his mom might be Ethiopian" Vicente Guerrero (Aug 10, 1782 Feb 14, 1831) The President of Mexico: Quote: "My Motherland is First!!!"
 - Liberated Mexico by defeating Spain & on Sept. 15, 1829 <u>President Guerrero</u> Freed all Mexican slaves
- The Mexican State of Guerrero & the town of "Guerrero Negro" in California are named in his honor Lord Nyahnga of Gabon God's gift to Mexican Liberation, Mexican National Hero
 - In 1570 Lord Nyanga, a Royal Afrikan, EXCERCISED his Freedom
 - Destroying his slavers & Building the town of Yanga in Veracruz Mexico
 - 7. BLACK MOORS Ruled Europe for Over 700Yrs (710–1492); Pietro Nino, Abubakari, MansaMusa, etc.
 - Established 17 Universities & mandatory education; Built Europe's 1st education system
 - 99% of Europeans were illiterate; Only in Moorish Spain did you find female doctors, lawyers etc.
 - Took Europe from the Ignorance of the Dark Ages, into the Renaissance; thru science & education
 - Introduced importance of Bathing; Before the Moors, Europeans Bathed Only Three times a year!!
- *AMERICA & the MOORS: Never believed in Flat-Earth; Gave Algebra & Arabic Numerals (0,1,2,3)to Europe
 - Abubakari (1311AD) sails to America with 2,000 ships <u>181yrs before "Christopher Columbus"</u>
 - Columbus, reported finding West African metal goods among the Native Americans
 - Pietro Nino: the Chief Navigator (Leader) on Columbus' First Voyage to the Americas
 - 8. Grand Master Teachers: Honourable Teachers of BlackPower, BlackLove & BlackFamily
- The Hon. Marcus Mosiah Garvey: Founder of the UNIA -the Largest Black Organization in history of the Americas
- Taught BlackResponsibility, BlackLove & BlackPride. Back to Africa Movement. 1st case for the FBI
- Dr. Ivan Van Sertima: (Historian & Linguist): Authored They Came Before Columbus & African Presence in Asia
 - Technology: Haya people of Tanzania & Uganda, were using semi-conductor technology to produce steel over 2,000 years ahead of Europe's "Industrial Revolution"
- Accurately teaches that Blacks are the original people of Every Continent on Earth, to include Asia. The Hon. Elijah Muhammad: Authored "Message to the Blackman" & "Theology of Time"
 - Taught the <u>Scientific Fact</u> that there was interbreeding between the Caucasians & the "non-human" neanderthals, decades before U.S. scientists confirmed his teachings, through genetics in May 2010.
 - Taught our Brothers Malcolm X & Khalid Muhammad. Taught, simply, "the Blackman is God"
- Dr. Malachi Z York: Author of over 360 Books with topics from science & language to religion. Built Tama-Re
- Framed & imprisoned by the U.S. government who immediately destroyed the Black city, Tama-Re.
- Cheikh AnteDiop: (Physicist, Anthropologist, Muslim & Historian) wrote "The African Origins of Civilization"
 - Used Genetics: proving Ancient Egyptian people and civilization originated from Black Nubians
 - 9. Professor Ahmed Baba of Songhai (1627 AD): Taught his pupils to love science & wrote over 60 books
 - The Ahmed Baba Institute Public Library in Timbuktu named in his honor; He taught at Sankore Univ.
 - Baba credited his learning to Allah and maintained his modesty
 - Historical Background Songhai (1340 1591 AD)
 - Songhai Empire ruled about two thirds of West Africa (3-times the size of France)
 - Songhai collapsed in 1591 AD, its libraries were burnt & scholars arrested by the invaders
 - 10. IMHOTEP (3000 BC): known to be "Joseph" son of Israel who was sold into Egypt
 - 1st Multi-Genius in History First Father of Medicine (2,000 yrs before Hippocrates)
- *Hippocrates is considered the European Father of Medicine (Doctors take the Hippocratic Oath: "I will do no harm...")
 - The World's first Doctor, Engineer and Architect to be known by name
 - Built the World's 1st Medical School in Memphis Egypt called Asklepion
 - Wrote the World's 1st Treaties on Medicine wrote the Edwin Smith Papyrus containing over 90 anatomical observations, 48 injuries, ailments, and cures

Other accomplishments: *Worshipped in Greece & Rome as Asklepios in the form of a Black African

- Able to raise some of the recently dead thru the medical use of snake venom
- Able to perform surgery & to treat gallstones, tuberculosis, appendicitis, arthritis & over 200 illnesses
- Understood the blood's circulation system & the vital organs; 4,000 before European scholars did

~HOLIDAYS~

~Please Do not take away what you cannot or willnot replace~:)



Being Black is the Best to Be!

Because we have MORE HOLIDAYS THAN ALL THE REST!!!

(7 holidays, 7days each giving us 49days per year):)

*Holidays are an opportunity for focused & intense training, education and experience :) Choose them wisely and CELEBRATE them with all YOUR HEART !!!

Why do children love holidays?

- -because of predictability, stability, co-ordinated activity, enjoyment, food and hope:)
- *they love looking forward to these PUNCTUATED PERIODS of joy and wonder!!!

What do children love about holidays? — shhh... and secretly you do too...;)

- 1. They Love Ritual
- 2. They Love Ceremony
- 3. They Love Festivities
- 4. They Love scheduled Activities
- 5. They Love Participation
- 6. They Love Learning!!!
- 7. They Love ~BlackLove, BlackRoots & BlackFamily

*Join us in sharing these holidays through out the BlackLove Community:)

~We are replacing those boring and silly holidays with BETTER & BEST Holidays:)

*BlackLove Provides;)

~expand your family today, i dare ya!!!

~The Seven African Powers~ Seven Best Holidays



~BLACKLOVE, BLACKROOTS & BLACKFAMILY: BUILD ONE, I DARE YA! ~

1 . Kwanzaa -7 Days *Observe a month of <u>ECONOMIC FASTING</u> –do not purchase anything from non-black people



Dec 26 – Jan 1 – Obatala (Our Guide from all time) *Focus: The Blackperson is God

- *Discussion: Divine Unity of the BlackRace All 1Billion 8Million Black People
- *Activity: 7 Principles of Kwanzaa see the kwanzaa daily discussion sheet at BlackhomeschoolAcademy



Earth Holiday: Spring Equinox - 7 Days

- *Around 20 March 27 March Yemaya* (The Nurturing Mother of our Treasures)
- *Focus: The BlackWoman is God (Earth Holiday)
- *Discussion: Responsibilities & Attributes of a Good Mother & Good Father
- *Fertility, How, when & why to get pregnant, Reproductive cycle etc.
- * How, When & Why to choose a mate The benefits of black marriage *see Love Holiday on Marriage types
- *Activity: Gardening, germination process, growing food, caring for animals, caring for our babies
- *MOTHER'S DAY March 27th While passion gets a relationship started it is COMPASSION that keeps it going.



3. Melanin *The Amazing Blackness – 7 Days

- *May 27- June 2nd Elegba* (The Guardian of our youth & Guide to our elders)
- *Focus: The Blackchild is God (Wet Holiday)
- *Discussion: The Triple Blackness: Eumelanin, Pheomelanin & Neuromelanin (ie. The Three types of Melanin)
- *Activity: Go to the beach, the pool, camping, fishing, canoeing, sailing, etc.
- *Music: Roots music! Bob Marley: Legend Album, Conscious Reggae, Conscious Hip Hop, Fela Kuti etc.
- *CHILDREN'S DAY around June 21st One Day The First Day of Summer (ie. The Summer Solstice) ~ Activity Children's Day: COSTUMED or FacePaint HOLIDAY@~





Fire Holiday: The Dog Days of Summer *Sirius Rising – 7 Days *BBQ

- *July 23rd birthday of His Imperial Majesty July 30th Shango *(Our Man of Passion & Our Supreme Fire Lord)
- *Focus: The BlackMan is God (Fire Holiday)
- *Discussion: Learning to control The Fire within 7 Chakras: Mastering our Thoughts, Actions & Emotions
- *Activity: Drumming, survival training, self & group defense, prepping, first aid, cooking, swimming, poisons & medicines
- *FATHER'S DAY July 23rd Celebrate Our Fathers Our creative & protective Force Give thanks to Rastafari @



5. Love Holiday: Fall Equinox – 7 Days

- *Around Sept. 22 Sept. 29 Oshun* (Our Lady of Love)
- *Focus: BlackLove is Supreme (Air Holiday)
- *Discussion: *How, When & Why to choose a mate
- *What is Love: ¹An emotion, ²A verb, ³A chemical Reaction, ⁴A commitment, ⁵A Powerful Medicine ⁶A Black Family
- *Marriage Types -Arranged, Forced, Legal, Spiritual, Religious, Monogamy, Polygamy, Polygyny, Polyandry etc
- *Celebrating & visiting the homes of married families, having them visit yours
- *Activities: Flowers, partnered-dancing, kites, planes, sailing, bubbles, sky diving, bungee jumping, fog, mist etc.
- *Music: Soul Music! Marvin Gaye, Al Green, The Temptations, Luther Vandross, Isaac Hayes, Electric-slide, etc.
- *SPICE/SPOUSE DAY Sept. 25 A day to revisit your wedding album, shared moments & the story of your journey ©

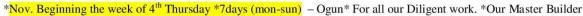


6. Spirit Holiday: The Days of the Living – 7 Days *eat vegetarian meals

- *Oct. 27 Nov. 2 Ochosi* (Our Lord of justice)
- *Focus: BlackLove is Fearless (Light Holiday) *FIRE WORKS!!!
- *Discussion: Our Living Heroes (eg. Sis.Pookrum, Sis.Ali, Br.Polight, Br.Umar etc) ~Bringing Justice Back to the Earth ©
- *Activity: Assisting the elderly, construction projects, neighborhood improvements etc. lights, night walks with candles etc
- *Supporting Local Blackpower & Afrocentered institutions by taking classes, joining study groups or giving classes etc.
- *GRANDPARENT'S DAY Oct 27th Show Appreciation to Our Ancestors Keep your family All Black All the time



7 . ThanksGiving To Us & to "Them – (yt)" - 7 Days *never eat alone \odot



*Focus: The BlackFamily is God (Food Holiday) *Our symbol is the Industrious RBG ant!!!

*Discussion: Nutrition, Family Business, Economic Domination, Home Education, Right Education & Marriage

*Activity: Family Gatherings, Family Reunion, Meeting new family members, celebrating married family members 🥏 👯

*Why Thank yt: LOL...For allowing us to experience wickedness in its most perfect physical form... thanks yt, great work!





RECOMMENDED READING

~AFRICAN EDITION IS A MONOPOLY GAME VERSION THAT TEACHES HISTORY & GEOGRAPHY~ ~BLACKLOVE IS SUPREME: BUILD A BLACK FAMILY TODAY!~



